

I claim:

1. A separation apparatus for separating solids from a slurry of liquid and solids of the type found in sewers, ponds, and tanks, comprising:

a separation tank;

an intake assembly means for communicating with the separation tank for conveying the slurry through an entrance end into an inlet formed in the tank;

an outlet system assembly means communicating with the separation tank for conveying decanted liquid in an outlet fluid flow line through an outlet formed in the tank to an exit end positioned in a desired location;

a pump means mounted in the fluid outlet flow line adapted for conveying the decanted liquid from the separation tank and through the outlet system; and

the tank, intake assembly, and outlet assembly form an airtight, compartmented system when the entrance end of the intake assembly and the exit end of the outlet assembly are sealed.

2. The invention of claim 1 wherein the pump is a centrifugal pump.
 3. The invention of claim 1 wherein the pump is hydraulic.
 4. The invention of claim 1 wherein the pump is pneumatic.
 5. The invention of claim 1 wherein the intake assembly further includes an intake pump means for conveying the slurry.
 6. The invention of claim 1 wherein the intake assembly includes a hose.
 7. The invention of claim 1 wherein the outlet assembly includes a hose.
 8. The invention of claim 1 wherein the intake assembly includes a flow control valve.

9. The invention of claim 1 wherein the outlet assembly includes a flow control valve.

10. The invention of claim 1 wherein the separation tank is mounted on a mobile carrier.

11. The invention of claim 1 wherein the intake assembly siphons slurry from a sewer.

12. The invention of claim 1 where the intake and outlet assemblies are removable from the separation tank.

13. The invention of claim 1 where the intake and outlet assemblies, and the separation tank form a sealed unit.

14. A method for cleaning a source of slurry composed of liquid and solids utilizing an intake assembly for conveying the slurry into a separation tank, comprising the steps of:

placing an entrance end of the intake assembly into the source of slurry to be separated;

conveying the slurry into the separation tank through the intake assembly;
separating solids from the slurry in the separation tank by settling the solids from the liquid;

extracting decanted liquid from the separation tank;
pumping the decanted liquid through a pump located in the flow path of the liquid through the outlet assembly in fluid flow communication with the separation tank; and

releasing the decanted water through an exit end of the outlet assembly at a desired location.

15. The method of claim 14 wherein the pump is a centrifugal pump.
16. The method of claim 14 wherein the separation tank is mounted on a mobile carrier.
17. The method of claim 14 wherein the intake and outlet assemblies are removable from the separation tank.
18. The method of claim 14 wherein the intake assembly further includes an intake pump means for conveying the slurry.

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